Info-Hams Digest   Mon, 4 Oct 93   Volume 93 : Issue 1177

Today's Topics:
                        ARRL/VEC holding my 610
                          Batteries for HTX202
        Daily Solar Geophysical Data Broadcast for 03 October
                        HDN Releases (2 msgs)
                    Heathkit HW-101 manual needed.
                       K1EA software - where ?
                        Midway shutting down
      New DX-cluster software project, asking volunteers to help.
                         RACES Bulletin #294
                     radio 4 LW and the hulahoop
                         RG-8/M questions?
                        RTTY filter for 850
                     Scan frequency step range?
                     When is Dayton?? (2 msgs)
                       White Noise Generator

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 4 Oct 1993 14:39:52 GMT
From: spsgate!mogate!newsgate!news@uunet.uu.net
Subject: ARRL/VEC holding my 610
To: info-hams@ucsd.edu

In article <1993Oct3.122817.1409@miavx3.mid.muohio.edu> writes:
> ...
> The VEC will not forward a 610 until a photocopy of the most recent license

> is attached. Checking the box really has no effect on how the 610 is to be
> handled.
>
> Use an old license? My guess is the VEC is smart enough to catch it, hold
> the 610, and ask you for a copy of your upgraded ticket.
> ...
How would the VEC know? You could easily take an exam from another VEC. The
only way they know is if you check the box on the 610 or if you still have an
upgrade in process from the same VEC they probably have it on record. Seems to
me it would be easy to do. I don't know WHY one would want to mess around with
the system, though...all it would accomplish is to delay things.

Mark   AA7TA

Date: 3 Oct 93 02:16:07 GMT
From: gsm001!gsm001.mendelson.com!gsmlrn@uunet.uu.net
Subject: Batteries for HTX202
To: info-hams@ucsd.edu

The following news item appeared at my system:

article: <abe_9310020805@yyz.mbsun.mlb.org>
Sender: mbsun.mlb.org!yyz!115-119!Geoffrey.S..Mendelson
                (Geoffrey S. Mendelson)

and then a duplicate of an article I had posted ending with:

>---
> * Origin: The Chicago Internet Gateway [CHIGATE.MCS.COM] (1:115/119.0)
>SEEN-BY: 115/747 2200/3 2112
>@PATH: 115/999 119 747 2200/2112
>@PATH: 115/999 119 747 2200/2112
>

How did this get here? Anyone have any clues?

Thanks,

Geoff.

--
Geoffrey S. Mendelson N3OWJ

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   (215) 242-8712
   gsm@mendelson.com      or uunet!gsm001!gsm


   -----------------------------


   Date: 4 Oct 93 13:24:40 GMT
   From: news-mail-gateway@ucsd.edu
   Subject: Daily Solar Geophysical Data Broadcast for 03 October
   To: info-hams@ucsd.edu


   !!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 276, 10/03/93
   10.7 FLUX=124.7  90-AVG=094          SSN=118      BKI=1110 1221  BAI=003
   BGND-XRAY=B2.9     FLU1=4.1E+05  FLU10=1.2E+04  PKI=1222 1223  PAI=006
     BOU-DEV=006,009,008,004,006,012,010,008   DEV-AVG=007 NT     SWF=00:000
    XRAY-MAX= C8.6   @ 0930UT    XRAY-MIN= B2.6   @ 1527UT   XRAY-AVG= B5.9
   NEUTN-MAX= +003%  @ 0850UT    NEUTN-MIN= -002%  @ 1810UT   NEUTN-AVG= +0.2%
     PCA-MAX= +0.1DB @ 1725UT      PCA-MIN= -0.4DB @ 1250UT     PCA-AVG= -0.0DB
   BOUTF-MAX=55365NT @ 2235UT    BOUTF-MIN=55341NT @ 1811UT   BOUTF-AVG=55356NT
   GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT  G7-AVG=+073,+000,+000
   GOES6-MAX=P:+113NT@ 0450UT    GOES6-MIN=N:-062NT@ 1443UT  G6-AVG=+093,+013,-040
    FLUXFCST=STD:122,120,116;SESC:122,120,116 BAI/PAI-FCST=010,008,008/010,010,010
      KFCST=3213 3222 3213 3222  27DAY-AP=011,009   27DAY-KP=3333 3223 2332 2323
    WARNINGS=*MAJFLR;*SWF
      ALERTS=**TENFLR:230SFU@0924UTC,DUR=4MIN;**TENFLR:150SFU@1247UTC;
             **245STRM:0517-1607UTC
   !!END-DATA!!

   NOTE: The Effective Sunspot Number for 02 OCT 93 is not available.
         The Full Kp Indices for 02 OCT 93 are not available.


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   Date: Sun, 03 Oct 1993 16:14:05
   From: elroy.jpl.nasa.gov!usc!cs.utexas.edu!lgc.com!news.oc.com!utacfd.uta.edu!
   rwsys!ocitor!FredGate@ames.arpa
   Subject: HDN Releases
   To: info-hams@ucsd.edu


   The following files were processed Sunday 10-03-93 at 1:124/7009:


   HAMNEWS   [ HAM: Bulletins and Newsletters ]
   ------------------------------------------------------------------------
   ARLD052.LZH  (   1668 bytes)  ARRL DX Bulletin 09/30/93
   ARLP039.LZH  (   1004 bytes)  ARRL Propagation Bulletin 10/01/93
   RTDX1001.LZH (   2048 bytes)  RTTY DX Bulletin 10/01/93

   ------------------------------------------------------------------------
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              4720 bytes in 3 file(s)


HAMSAT    [ HAM: Satellite tracking and finding programs ]
--------------------------------------------------------------------------
SPC1004.LZH  (   3212 bytes)  SPACE Bulletin 10/04/93

--------------------------------------------------------------------------
              3212 bytes in 1 file(s)


HAMSWL    [ HAM: Shortwave broadcast schedule distribution ]
--------------------------------------------------------------------------
TWR.LZH      (   1355 bytes)  TWR SWBC Sked Effective 09/26/93
                              to 03/26/94

--------------------------------------------------------------------------
              1355 bytes in 1 file(s)


 Total of 9287 bytes in 5 file(s)

Files are available via Anonymous-FTP from ftp.ieee.org

    Directories are:
        pub/fidonet/ham/hamnews  (Bulletins)
                        /hamant   (Antennas)
                        /hamsat   (Sat. prg/Amsat Bulletins)
                        /hampack  (Packet)
                        /hamelec  (Formulas)
                        /hamtrain (Training Material)
                        /hamlog   (Logging Programs)
                        /hamcomm  (APLink/JvFax/Rtty/etc)
                        /hammods  (Equip modification)
                        /hamswl   (SWBC Skeds/Frequencies)
                        /hamscan  (Scanner Frequencies)
                        /hamutil  (Operating aids/utils)
                        /hamsrc   (Source code to programs)
                        /hamdemo  (Demos of new ham software)
                        /hamnos   (TCP/IP and NOS related software)

lee - wa5eha
Ham Distribution Net
 * Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

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Date: Sun, 03 Oct 1993 23:34:05
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The following files were processed Sunday 10-03-93 at 1:124/7009:

HAMNEWS   [HAM: Bulletins and Newsletters]

RSGB0926.LZH (1765 bytes) RSGB Bulletin 09/26/93

              1765 bytes in 1 file(s)

HAMNOS   [HDN: TCP/IP and NOS related software]

HAMNOS3.TXT (2 bytes) Daily Hatching until file area is
                              created

----
                 2 bytes in 1 file(s)

HAMSAT   [HAM: Satellite tracking and finding programs]

STAR503.ZIP (47693 bytes) Domestic Satellite Locator V5.03
                              Update

             47693 bytes in 1 file(s)

HAMSWL   [HAM: Shortwave broadcast schedule distribution]

VOA.LZH   (6325 bytes) VOA SWBC Sked Effective 09/30/93

              6325 bytes in 1 file(s)

HAMTRAIN [HAM: Amateur Radio training material and cw progs]

DELEXAM.LZH (38499 bytes) Proper code test util for DOC
                              delegated Examiners in Canada (5/12
                               wpm)

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         ------------------------------------------------------------------
                     38499 bytes in 1 file(s)


 Total of 94284 bytes in 5 file(s)

Files are available via Anonymous-FTP from ftp.ieee.org

     Directories are:
          pub/fidonet/ham/hamnews  (Bulletins)
                         /hamant   (Antennas)
                         /hamsat   (Sat. prg/Amsat Bulletins)
                         /hampack  (Packet)
                         /hamelec  (Formulas)
                         /hamtrain (Training Material)
                         /hamlog   (Logging Programs)
                         /hamcomm  (APLink/JvFax/Rtty/etc)
                         /hammods  (Equip modification)
                         /hamswl   (SWBC Skeds/Frequencies)
                         /hamscan  (Scanner Frequencies)
                         /hamutil  (Operating aids/utils)
                         /hamsrc   (Source code to programs)
                         /hamdemo  (Demos of new ham software)
                         /hamnos   (TCP/IP and NOS related software)

lee - wa5eha
Ham Distribution Net
 * Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

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Date: Mon, 4 Oct 1993 15:29:20 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!
moe.ksu.ksu.edu!hobbes.physics.uiowa.edu!news.uiowa.edu!icaen.uiowa.edu!
drenze@network.ucsd.edu
Subject: Heathkit HW-101 manual needed.
To: info-hams@ucsd.edu

I just bought a mint condition Heathkit HW-101 at a local hamfest for my first
tranceiver.  Only one problem:  I don't have the manual for it.  Would anybody
happen to have one they'd be willing to give/sell to or copy for me?

--
__  /|  | Douglas J Renze, N0YVW  |      Charter Member, Popular Front
\'o.O'  | +1 319 337 4664          |       for Revolutionary Darwinism:
=(___)= | drenze@icaen.uiowa.edu   |
   U    | Douglas-Renze@uiowa.edu  |           Evolution Now!
```

Date: 4 Oct 1993 14:36:54 GMT
From: koriel!male.EBay.Sun.COM!news2me.EBay.Sun.COM!exodus.Eng.Sun.COM!
appserv.Eng.Sun.COM!ale!geoffb@ames.arpa
Subject: K1EA software - where ?
To: info-hams@ucsd.edu

Folks - after looking in CQ, Worldradio, 73 etc - I can't seem to find where to
purchase a copy of K1EA's logging software. I know, it's probably right in front
of
my nose... I also sent email to K1EA but did not receive a reply. If any of you
know,
would you be so kind as to email me the information/address ? I'd really
appreciate it.

thanks

geoff - N6LXA

Date: Mon, 4 Oct 1993 13:03:37 GMT
From: iris.mbvlab.wpafb.af.mil!blackbird.afit.af.mil!blackbird!
jmiller@uunet.uu.net
Subject: Midway shutting down
To: info-hams@ucsd.edu

Spotted this over on alt.culture.hawaii, thought it might be of interest
to DXers, etc. :

In article <CE8AKo.F2q@news.Hawaii.Edu> bob@kahala.soest.hawaii.edu (Bob
Cunningham) writes:

    Midway Island Naval Air Facility will be officially shut down today,
    though 5-6 years of Navy cleanup will follow before it's turned over to
    the US Fish & Wildlife Service. Actually an atoll with two principal
    islands (Eastern and Sand), since WWII Midway has been a combined
    support base for Navy aviation units, communications station, and
    wildlife refuge. Roughly 1,300 miles northwest of Honolulu, Midway is
    near the far end of the Hawaiian island chain. It's best known as the
    site of the Battle of Miday June 4-6 1942, when a Japanese invasion
    fleet attempted to seize the island to use as a base for the invasion
    of Hawaii, but were turned back--losing several major aircraft
    carriers--in the first decisive US naval victory over Japan of WWII.

--end included text

Jeff
--
Jeff Miller, NH6ZW/N8, AFA1HE (ex WD6CQV, AFA8JM, AFA1DO)
AFIT School of Engineering, Wright-Patterson AFB, OH. Help eliminate FOD.
Welcome to Ohio: Our state flower is the orange highway construction barrel.
55: It's not a good idea; it's just the law. E-mail me about the NMA.

Date: 4 Oct 1993 15:07:07 +0200
From: agate!howland.reston.ans.net!pipex!sunic!news.funet.fi!news.tele.fi!juha.fi!
juha.fi!not-for-mail@ames.arpa
Subject: New DX-cluster software project, asking volunteers to help.
To: info-hams@ucsd.edu

Hello netlanders,

I am setting up a project to create {newer,cooler,better} DX-cluster software.

So far I have got the following ideas about this project:

1)   MSDOS is hardly optimal operating system to put this kind of multiuser
     system on. I think that using something like Linux or NetBSD would
     lead to better results. Possibly POSIX would be suitable software base
     to build on.

2)   The new system should be compatible with existing ones. Minimum
     requirement would be that the cluster could talk with existing ones
     using the same protocol. User-visible changes should not be too big.

3)   We (OH-land) use DX-clusters also in amateur radio volunteer rescue
     services (like RACES in US), and there are certain things that
     existing software can not do, therefore the need to start this kind of
     project in first place.

4)   The software should be non-commercial (I think that GPL would be
     excellent lisence to distribute the software).

5)   The software should be built on top of widely-used tools (like C,
     Perl, others..), and it should be well-documented, easily extensible
     and modifiable.

6)   Software distribution should be in source form.

What is needed right now is skilled manpower to think out and make
specifications for the new system.

If You think that You could give something to this project, please drop email
to riku.kalinen@juha.fi.

--
- Riku "the bit" Kalinen, Suomen Tietoverkkopalvelu Oy
- Ham: OH2LWO (>= 50MHz)
- X.400: G=Riku;S=Kalinen;O=juha;P=juha;A=mailnet;C=fi
- "Always choose a bigger enemy, because it's easier to hit." -Terry Pratchett

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Date: 4 Oct 93 15:15:26 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #294
To: info-hams@ucsd.edu

Bid : $RACESBUL.294

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
       ALL AMATEURS U.S.   (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (KH6GBX @ WA6NWE.CA)
       2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
       Landline BBS open to all: (916) 262-1657
RACESBUL.294   DATE: Oct. 4, 1993
SUBJECT: MISC - Responders and their vehicles - Part 1/4
Q. I want to be a regular communications volunteer in government
service. What kind of vehicle should I have?
A. This has no simple answer. It depends on (1) whether or not
you are a responder, (2) what your role is, (3) your local
climate and terrain, (4) what local authorities use, and (5) the
importance of your completing vehicular access to the incident.
Let's take these one at a time:
    (1) A responder in this discussion is one who uses his or her
vehicle as a part of the emergency work in the field. In other
words, the necessity to get to each incident with the necessary
two-way radio communications and possible use of the mobile
communications for brief or extended periods of time during the
incident. Some of us need communications only while responding TO
an incident. For others, the communications is an emergency
resource required AT the incident.
    Transportation for a non-responder, such as to and from work,
is not so critical. If a person is expected to report to work on
a call out, it is reasonable to expect that the transportation

should not break down en route. Whereas a bicycle or motorcycle
might be adequate for this purpose, they would not be appropriate
for responding into the field on incidents.
    It is apparent that a major change in a personally owned
vehicle may be required to satisfactorily and appropriately
perform field response. It invariably requires additional
expenses. The spirit may be willing but the pocketbook may not.
Many new response personnel ride along with someone else when
they are first getting started. From this start one can determine
(a) if this is what they want to do with the rest of their spare
time life and (b) if they can afford it.
(Continued in Part 2 of 4 parts)
EOM

[Packet address:W6WWW@WA6NWE.#NOCAL.CA.USA.NA. Let me know if this
does not come through clear and clean. Send the header of any garbled
message. Tnx. Cary. W6WWW.]

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races
and can be retrieved using FTP.

Date: Mon, 4 Oct 1993 10:33:26 GMT
From: mcsun!julienas!ubu!hard68!burton@uunet.uu.net
Subject: radio 4 LW and the hulahoop
To: info-hams@ucsd.edu

Ok the Hoopy loop aerial....

It would seem to be a hula-hoop which has had some wire stuffed inside it,
and then been resealed. The exact amount of wire, (and any other parts)
is what I'm interested in, and indeed how the thing works.

(a hula-hoop is a plastic tube made into a hoop, which children play with,
notably by making it rotate around their bodies. It measures ABOUT 2.25m
in circumference.)

To use it, you tune your LW radio to Radio 4 198 Khz, then place the
hoopyloop adjacent to the radio, and move everything around until you
get good reception.

There are NO mechanical or direct electrical connections between the hoopy-loop
and the radio, and the hoopyloop has no 'power', it is simply a passive
device.

But it manages to 'boost' the radio 4 reception I get in Lyon by something
between 5 and 10 times. Which allows me to listen to acceptable quality
as long as the weather isn't too bad !

I would like to understand exactly how this remarkable device works, as to
the unknowledgeable by-stander it would seem to be exactly that, a magical
device !

Mark.

Date: 4 Oct 93 14:08:55 GMT
From: ogicse!hp-cv!hp-pcd!hpcvsnz!davidc@network.ucsd.edu
Subject: RG-8/M questions?
To: info-hams@ucsd.edu

I have wondered about this also. As near as I can tell Radio Shack's RG8M is
very similar to what is normally called RG8X by the rest of the world. At least
the specifications appear to be the same. My HRO catalog lists RG8X as having a
velocity factor of 78% and a loss of 3.7dB per 100 feet at 100MHz. Bottom line
is that it is OK for short VHF runs and of course fine for HF.

Dave, KB7QCL

Date: Mon, 4 Oct 1993 14:28:42 GMT
From: world!eac@uunet.uu.net
Subject: RTTY filter for 850
To: info-hams@ucsd.edu

In <28hce2$n2l@news.ysu.edu> ag821@yfn.ysu.edu (Jeff Gold) writes:

>I have a Kenwood 850S with a 500hz (YK88-c) CW filter. I like to
>operate RTTY contests and like Pactor. I noticed that during the

Hi Jeff,
I have a 850s with a 500hz CW filter. I use the CW filter by selecting
it in FSK mode (or LSB mode) and using the low cut/high cut to shift
and fine tune the filter to around the rtty center frequency.

I find that the 500Hz CW filter works for 300 Baud packet as well, but
the tuning is more critical.

73 Eric   eac@world.std.com

Date: Mon, 4 Oct 1993 18:26:14 GMT
From: library.ucla.edu!agate!spool.mu.edu!sdd.hp.com!col.hp.com!fc.hp.com!
paulc@network.ucsd.edu
Subject: Scan frequency step range?
To: info-hams@ucsd.edu

: I have a Realistic HTX-202 (my first radio) and was wondering what the
: 'standard' is for stepping through the frequencies while scanning?
: I can step by 5,10,15,20,25,50 or 100 kHz...

Depends on what the standard spacing is for your state. Most common
are 15 and 20 KHz. Unfortunately, you can't just use those spacings
for scanning, since the different sub-bands don't start at the same
spot mod 15 KHz or mod 20 KHz. So... if you're in a 20 Khz state,
then a 10 KHz step will hit everything. If you're in a 15 Khz state,
then you'll need to use the 5 KHz step to hit everything right on.

On my radio, if the signals are reasonably strong, a 10K step will
pick up everything, even though I'm in a 15 Khz state. This helps
for quick scanning.

All Mid-west and Eastern states, with the exception of Michigan, have
15K spacing. This is from the ARRL repeater book.

-Paul Christofanelli, KG0CZ

Date: Mon, 4 Oct 93 14:45:15 GMT
From: mnemosyne.cs.du.edu!nyx!dsharp@uunet.uu.net
Subject: When is Dayton??
To: info-hams@ucsd.edu

marcbg@feenix.metronet.com (Marc Grant) writes:

>Does anyone know the dates for Dayton in '94??
>--
>   / Marc Grant N5MEI   / marcbg@metronet.com /
> / POB 850472   / marcbg@esy.com   /
> / Richardson, TX 75085 / 214-231-3998 (voice) /
>/   / 214-231-0025 (fax)   /

Historically, Hamvention has always been Friday, Saturday,

and Sunday of the last weekend of April. Next year I believe
it will be on April 29-May 1 1994.   That could be subject to
change, though.

--

_____
 Dave Sharp, NU8H | "Eagles may soar, but weasels
 Dayton, Ohio | don't get sucked into jet engines"
 Email: dsharp@nyx.cs.du.edu | -Unknown

Date: 4 Oct 93 14:48:00 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: When is Dayton??
To: info-hams@ucsd.edu

In article <17@wabbit.win.net> rburns@wabbit.win.net (Robert L. Burns) writes:
>>Does anyone know the dates for Dayton in '94??
>According to the 1993 Dayton Hamvention program, future dates are:
>   29-30 Apr, 1 May 1994
>   28-30 Apr 1995
>   26-28 Apr 1996
>"These dates are tentative and should be used only as a guide for future
>planning."

The word was circulating around the show that the program was in
error about the 94 dates. The word was that Hara was available for
the week previous instead of the one listed in the program. I even
heard that on the PA so I suspect it's more than rumor.

Gary

--
Gary Coffman KE4ZV |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
534 Shannon Way | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | -Ray Stevens |

Date: 4 Oct 93 16:46:28 GMT
From: ogicse!hp-cv!hp-pcd!hpcvsnz!tomb@network.ucsd.edu
Subject: White Noise Generator
To: info-hams@ucsd.edu

John Haddy (mbsun.mlb.org!yyz!115-119!John.Haddy) wrote:

: To quote Horowitz and Hill:

:   "The output spectrum generated by maximal-length shift registers
: consistes of noise extending from the repeat frequency of the entire sequence,
: Fclock/K, up to the clock frequency and beyond. It is flat within 0.1dB up to
12%
: of the clock frequency (Fclock), dropping rather rapidly beyond its -3dB point
of
: 44% Fclock."

: In other words, for _Band_Limited_ white noise, a PN sequence generator is
: about as good as it gets.

Of course, the spectrum is composed of discrete frequencies which are all
harmonics of the repetition frequency of the sequence. So it's not at all
flat if you look with narrow enough bandwidth ;-) (You can make it better
by mixing with a "true-random" source; get the best of both worlds.)

(Isn't it time to let this thread die? It's far beyond what the original
poster wanted...)

End of Info-Hams Digest V93 #1177
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